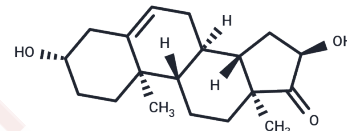


16 α -hydroxy Dehydroepiandrosterone

Chemical Properties

CAS No. :	1232-73-1
Formula:	C ₁₉ H ₂₈ O ₃
Molecular Weight:	304.42
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	16 α -hydroxy Dehydroepiandrosterone (16 α -OH-DHEA) is a neurosteroid found in the brain, a precursor to placental estriol biosynthesis.
Targets(IC50)	Others,Cytochromes P450
In vitro	Metabolism of 16 α -hydroxy Dehydroepiandrosterone can regulate the secretion of E1 and E2. [1]

Solubility Information

Solubility	Chloroform: 8 mg/mL (26.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2849 mL	16.4247 mL	32.8494 mL
5 mM	0.657 mL	3.2849 mL	6.5699 mL
10 mM	0.3285 mL	1.6425 mL	3.2849 mL
50 mM	0.0657 mL	0.3285 mL	0.657 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Miller KK, et al. Stereo- and regioselectivity account for the diversity of dehydroepiandrosterone (DHEA) metabolites produced by liver microsomal cytochromes P450. Drug Metab Dispos. 2004 Mar;32(3):305-13.
Hampl, R., and Starka, L. Minireview: 16 α -Hydroxylated metabolites of dehydroepiandrosterone and their biological significance. Endocr. Regul. 34(3):161-163(2000)

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